CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.08/KRT/CSR-9/953c/CEMENT/2015-16 Date: 21.09.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	**Asst. Executive Engineer**, Kodigehalli Sub Division, BBMP, Bangalore.
*AGENCY	:	**Mr. K.R. Taranath,** #713, Near Govt. School, Kodigehalli, Kodigehalli Sub Division, Sahakarnagar, Bangalore – 92.
*NAME OF THE WORK	:	Park Maintenance in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.
*REFERENCE	:	EE/BTP/BBMP/E-PMT/307/2014-15 Dated: 10.02.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	19.09.2015
PERIOD OF TESTING	:	19.09.2015 to 21.09.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	29.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	490 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/W.No.08/KRT/CSR-9/953c/SAND-Gradation/2015-16 : 21.09.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

*** Customer** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. K.R. Taranath,**
#713, Near Govt. School, Kodigehalli, Kodigehalli Sub Division, Sahakarnagar, Bangalore – 92.

*** Name of Work** : Park Maintenance in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/307/2014-15 Dated: 10.02.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 19.09.2015

Date of Testing : 21.09.2015

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.00	90-100	90-100	90-100	95-100
2.36	78.50	60-95	75-100	85-100	95-100
1.18	58.70	30-70	55-90	75-100	90-100
600 Micron	33.10	15-34	35-59	60-79	80-100
300 Micron	14.10	5-20	8-30	12-40	15-50
150 Micron	5.10	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Civil-Tech Consultants & Engineers Bangalore

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Job No.: CTCE/BBMP/W.No.08/KRT/CSR-9/953c/AGG/GR/2015-16 : 21.09.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. K.R. Taranath,** #713, Near Govt. School, Kodigehalli, Kodigehalli Sub Division, Sahakarnagar, Bangalore – 92.
* Name of Work	: Park Maintenance in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.
* Reference	: EE/BTP/BBMP/E-PMT/307/2014-15 Dated: 10.02.2015
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (20mm)
Sample Received on	: 19.09.2015
Date of Testing	: 21.09.2015

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2007)	
		Graded	Single Sized
40	100	100	100
20	97.30	95-100	85-100
10	32.30	25-55	0-20
4.75	7.00	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

Civil-Tech Consultants & Engineers Bangalore

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Job No.: CTCE/BBMP/W.No.08/KRT/CSR-9/953c/Kerb stone/2015-16 21.09.2015

TEST REPORT ON CONCRETE CORE (KERB STONE)

* Name of Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Name of Agency	:	**Mr. K.R. Taranath,** #713, Near Govt. School, Kodigehalli, Kodigehalli Sub Division, Sahakarnagar, Bangalore – 92.
* Name of work	:	Park Maintenance in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.
Reference	:	EE/BTP/BBMP/E-PMT/307/2014-15 Dated: 10.02.2015
Techinical Reference	:	IS:516-1959 (Reaffirmed 2008), SP-24:1983.
Sample ID	:	Kerb Stone
Sample Received on	:	19.09.2015
Date of Testing	:	21.09.2015

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.399	2508.75	1.62	0.960	25.00	12.73	13.75	13.20	16.50
2	50.00	82.00	0.404	2509.21	1.64	0.965	25.50	12.99	14.03	13.54	16.92
3	50.00	84.00	0.414	2510.10	1.68	0.970	26.00	13.24	14.30	13.87	17.34

* Information is furnished by the Customer/Representative

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